

Lloyd's Register of British & Foreign Shipping.

(Report on Machinery, No. 14845)

Port

WEST 259 LEPPOOL

Order 16235.

No. 18257

ENGINE FORGINGS OR CASTINGS.

s/s Magdala

I have to report that the ~~IRON~~ Steel Forgings ~~OR CASTINGS~~, as herein described, manufactured by Messrs. Gutehoffnungshütte, A.-V. of Oberhausen for the Engines No. 2307 being constructed by Messrs. Richardsons Westgarth & Co. of Hartlepool for the Ship No. , being built by

of have been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects.

3 intermediate shafts, 1 propeller shaft.

Mark on Forgings or Castings.

Lloyd's

No. 9215, 9216, 9217, 9218.

K.H. 12. 13.

Düsseldorf, 3rd January 1914.

Karl Haupt

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...			annealed Siemens - Martin Ingotsteel	
How made ...			forged	forged
Dimensions ...			12 5/8" diam.	14 3/8" diam.
Progress on { Inspection }			rough turned	rough turned
Tests on Standard Test Pieces.			diameter .798"	diameter .798"
Tensile Test—			No. 9215-9216.	No. 9218.
Tons per square inch ...			30.6	29.5
Extension per cent ...			27.6	31.5
Cold Bending Test—			180 degr. good.	180 degr. good.
Angle before fracture ...				
Dates when Inspected			23, 30/12. 1913. 2/1. 1914.	23, 30/12. 1913. 2/1. 1914.

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

No. 9217. 1 intermediate shaft 30.2 tons per square inch 28.9% Elongation in 3"

Fee (if any chargeable) £

To be paid at Düsseldorf.

* If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open Hearth process.